

^{86}Y $Z = 39$ $N = 47$ adopted link ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

BE = 742.905 (0.014) MeV

Qbeta+ = 5.240 (0.014) MeV

	Energy T	J+	J-	J-other	T1/2
86Y 1			0.000 4-		1 14.74 H 2
86Y 2				0.208 (5)-	2 70 NS 7
86Y 3				0.218 (8+)	3 47.4 M 4
86Y 4			0.243 2-		4 28.6 NS 21
86Y 5	0.272	1+			5 10 NS LT
86Y 6				0.302 (6+)	6 127 NS 4
86Y 7				0.303 (7+)	7
86Y 8				0.353 (3+,4+)	8
86Y 9				0.465 (5+,6+)&(LE2)	9
86Y 10				0.469	10
86Y 11				0.476	11
86Y 12				0.536 (3+,4+)	12
86Y 13				0.621	13
86Y 14				0.643	14
86Y 15				0.662	15
86Y 16				0.671 (4-,5-)	16
86Y 17				0.742 (4:7)	17
86Y 18				0.850	18
86Y 19	0.884	1+			19
86Y 20				0.886 (9+)	20
86Y 21				0.900	21
86Y 22				0.978 (1+,2+)	22
86Y 23				1.058 (1+,2+)	23
86Y 24				1.079	24
86Y 25				1.156 (4-,5-)	25
86Y 26				1.203 (7-)	26
86Y 27				1.221 (4-,5-)	27
86Y 28				1.277	28
86Y 29				1.317	29
86Y 30				1.325 (10+)	30 0.5 NS LT
86Y 31				1.346	31
86Y 32				1.393 (0,1,2)	32
86Y 33				1.408 (9+)	33
86Y 34				1.455	34
86Y 35				1.494 (8-)	35
86Y 36				1.855	36
86Y 37				1.955	37

86Y	38				1.987	11(+)	38		
86Y	39				2.042	9(-)	39		
86Y	40				2.259	10(-)	40		

86Y	41				2.351	11(-)	41		
86Y	42				2.521	(12+)	42	0.5 NS	LT
86Y	43				2.758	11(-)	43		
86Y	44				2.913	(12-)	44		
86Y	45				3.090	12(-)	45		
86Y	46				3.183	(12+)	46		
86Y	47				3.189	13(+)	47		
86Y	48				3.302	(13-)	48		
86Y	49				3.454	(13-)	49		
86Y	50				3.655	(13+)	50		

86Y	51				3.878	14(+)	51		
86Y	52				4.010	(14-)	52		
86Y	53				4.073	(14-)	53		
86Y	54				4.192	(15+)	54		
86Y	55				4.399	(14+)	55		
86Y	56				4.466	(14-)	56		
86Y	57				4.526	(14+)	57		
86Y	58				4.710	(15-)	58		
86Y	59				4.885	(15+)	59		
86Y	60				4.961	(15-)	60		

86Y	61				4.977		61		
86Y	62				5.095	(15+)	62		
86Y	63				5.363	(15+)	63		
86Y	64				5.430	(16-)	64		

S-alpha=	5.520 (0.014)-----								
S-p	= 5.469 (0.014)-----								
86Y	65				5.662	(15+)	65		
86Y	66				5.728		66		
86Y	67				5.777	(16+)	67		
86Y	68				5.993	(17+)	68		
86Y	69				6.010		69		
86Y	70				6.087	(17-)	70		

86Y	71				6.188		71		
86Y	72				6.223	(17+)	72		
86Y	73				6.395	(17+)	73		
86Y	74				6.412	(17-)	74		
86Y	75				6.779	(18-)	75		
86Y	76				6.868	(18+)	76		
86Y	77				7.082		77		
86Y	78				7.216	(19-)	78		
86Y	79				7.612	(19+)	79		
86Y	80				7.690	(19+)	80		

86Y	81				8.003	(20-)	81
86Y	82				8.091		82
86Y	83				8.444	(21-)	83
86Y	84				8.474	(20+)	84
86Y	85				9.358	(20+)	85
86Y	86				9.444		86
86Y	87				9.469	(21+)	87

S-p = 5.469 (0.014)-----
 S-n = 9.512 (0.024)-----
 S-2p = 14.102 (0.014)-----
 S-2n = 21.531 (0.015)-----
 S-alpha= 5.520 (0.014)-----

S+p = -7.353 (0.015)
 S+n = -11.807 (0.014)
 S+2p = -11.466 (0.060)
 S+2n = -21.159 (0.014)
 S+alpha = -5.803 (0.015)

gap p = -1.884 (0.021)
 gap n = -2.294 (0.028)
 gap 2p = 2.636 (0.061)
 gap 2n = 0.373 (0.021)
 gap alpha = -0.283 (0.020)